What is claimed is:

 A low resistance value resistor comprising: a resistor body comprised by a resistive alloy;

at least two electrodes, comprised by metal strips having a high electrical conductivity, formed separately on one surface of the resistor body; wherein

the metal strips are affixed on the resistor body by means of rolling and/or thermal diffusion bonding.

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- A low resistance value resistor according to claim 1, wherein a fused solder layer is formed on a surface of each electrode comprised by the metal strip.
- 3. A low resistance value resistor according to claim 1, wherein a portion of the resistor body is trimmed by removing a portion of the body material along a direction of current flow between the electrodes to adjust a resistance value.
- 4. A low resistance value resistor according to claim 3, wherein trimming is performed by shaving a portion of the body material in a thickness direction.
- A low resistance value resistor according to claim 3,
 wherein trimming is performed by removing a corner portion of the body material along a longitudinal direction.
 - 6. A low resistance value resistor comprising:

a resistor body comprised by a plate shaped resistive alloy; at least two electrodes, comprised by metal strips having a high electrical conductivity, affixed to the resistor body by means of rolling and/or thermal diffusion bonding; wherein

. . .

a thickness of the electrode is not less than a 1/10 fraction of a thickness of the resistor body.

- 7. A low resistance value resistor according to claim 6, wherein said two electrodes are disposed at both ends of a first surface of the resistor body, and two second electrodes are disposed at both ends of a surface opposite to the first surface having the electrodes.
- A low resistance value resistor according to claim 6,
 wherein a fused solder layer is disposed on each electrode surface.
 - 9. A low resistance value resistor according to claim 7, wherein a wire site is formed on each second electrode for connecting a wire for voltage measurements.

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- 10. A low resistance value resistor according to claim 6, wherein a resistivity of the electrode comprised by the high electrical conductivity metal strip is not less than a 1/150 fraction and not more than a 1/2 fraction of a resistivity of the resistor body.
- A low resistance value resistor according to claim 6, wherein a material of the resistor body comprises one of:

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copper-nickel alloy, nickel-chromium alloy, iron-chromium alloy, manganese-copper-nickel alloy, platinum-palladium-silver alloy, gold-silver alloy, and gold-platinum-silver alloy.

- 5 12. A low resistance value resistor according to claim 6, wherein said resistor body is trimmed to adjust a resistance value by removing a portion thereof along a direction of current flow between the electrodes.
 - 13. A low resistance value resistor comprising: a resistor body comprised by a plate shaped resistive alloy; at least two electrodes, comprised by metal strips having high electrical conductivity, formed separately on one surface of the resistor body; and
- 15 an insulation layer for covering a portion of said surface between said electrodes.
 - A low resistance value resistor according to claim 13,
 wherein said resistor body is trimmed to adjust a resistance value
 by removing a portion thereof along a direction of current flow between the electrodes.
- 15. A low resistance value resistor according to claim 13,
 wherein an insulation layer is further provided for covering
 another surface opposite to the surface having the electrodes.
 - A low resistance value resistor according to claim 13,
 wherein said insulation layer comprises an insulative material,

which is coated on specific locations of the resistor body.

- 17. A low resistance value resistor according to claim 13, wherein said insulation layer comprises an insulative material, which is adhered on specific locations of the resistor body.
- 18. A low resistance value resistor according to claim 13, wherein said insulation layer comprises one of: an epoxy resin, an acrylic resin, a fluorine resin, a phenol resin, a silicone resin,
 10 and a polyimide resin.
- 19. A low resistance value resistor according to claim 13, wherein a material of the resistor body comprises one of: copper-nickel alloy, nickel-chromium alloy, iron-chromium alloy, manganese-copper-nickel alloy, platinum, palladium-silver alloy, gold-silver alloy, and gold-platinum-silver alloy.
- 20. A low resistance value resistor according to claim 13, wherein said electrode comprises copper or an alloy containing 20 copper.